

DERWENT-ACC-NO: 2000-326319  
DERWENT-WEEK: 200028  
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TITLE: Crosslinking agent for zinc oxide-cured halobutyl rubbers useful for tires, e.g. inner liners for tubeless tires, hoses and belts, comprises a specified biscitraconimide

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TALMA A G[TALMI]

PRIORITY-DATA: 2000RD-0430048 (January 20, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
RD 430048 A	February 10, 2000	N/A
002	C08K 000/00	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
RD 430048A	N/A	2000RD-0430048
January 20, 2000		

INT-CL\_(IPC): C08K000/00

ABSTRACTED-PUB-NO: RD 430048A

BASIC-ABSTRACT: NOVELTY - Biscitraconimides may be used as crosslinking agents during zinc oxide curing of halobutyl rubbers.

USE - The rubbers are used for manufacturing tires, e.g. inner liners for tubeless tires, hoses, belts, etc.

ADVANTAGE - Perkalink 900 (RTM: 1,3-bis(citraconimidomethyl)benzene) acts as an efficient crosslinker for halobutyl rubbers and it provides products with a better high-temperature compression and a lower heat build-up than the prior art crosslinker HVA-2 (RTM: methylene bismaleimide).

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

CROSSLINK AGENT ZINC OXIDE CURE RUBBER USEFUL INNER LINING  
TUBE HOSE BELT  
COMPRISE SPECIFIED

DERWENT-CLASS: A17 A95 E13

CPI-CODES: A08-C05; A08-C07; A10-E04A; A12-T01; E07-D02;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

F011 F012 F013 F015 F019 F422 F499 G012 G100 H2  
H212 J5 J523 L9 L930 L999 M210 M211 M240 M282  
M311 M322 M342 M373 M392 M413 M510 M522 M531 M540  
M781 M904 M905 Q130 Q132 R023 R043

Specfic Compounds

A1M97K A1M97U

Chemical Indexing M3 \*02\*

Fragmentation Code

F011 F012 F013 F015 F019 F422 F499 G001 G002 G011  
G012 G013 G020 G021 G022 G029 G040 G100 G221 H2  
H212 J5 J523 L640 L9 L930 L999 M210 M211 M240  
M282 M311 M312 M313 M314 M315 M316 M320 M321 M322  
M331 M332 M333 M340 M342 M373 M383 M391 M392 M413  
M510 M522 M530 M531 M540 M781 M904 M905 Q130 Q132  
R023 R043

Markush Compounds

200016-34301-K 200016-34301-U

Chemical Indexing M3 \*03\*

Fragmentation Code

A430 A940 C108 C550 C730 C801 C802 C803 C804 C805  
C807 M411 M730 M904 M905 M910

Specfic Compounds

01520K 01520S

Registry Numbers

1520S 1520U

Chemical Indexing M3 \*04\*

Fragmentation Code

J0 J011 J1 J171 M225 M231 M262 M281 M320 M416  
M620 M730 M904 M905 M910

Specfic Compounds

00122K 00122S 04758K 04758S

Registry Numbers  
0122S 0122U

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0122S; 0122U ; 1520S ;  
1520U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1]

018 ; R00966 G0055 G0044 G0033 G0022 D01 D02 D12 D10 D51  
D53 D58  
D84 ; R00429 G0828 G0817 D01 D02 D12 D10 D51 D54 D56 D58  
D85 ; H0022  
H0011 ; M9999 M2222\*R ; H0124\*R ; S9999 S1661 ; M9999  
M2073 ; L9999  
L2391 ; L9999 L2073 ; M9999 M2073 ; P1150 ; P0328 ;  
P0431

Polymer Index [1.2]

018 ; ND00 ; ND01 ; Q9999 Q9256\*R Q9212 ; Q9999 Q8731  
Q8719 ; Q9999  
Q7909 Q7885 ; B9999 B3178 ; K9461 ; B9999 B4126 B4091  
B3838 B3747  
; B9999 B5505\*R ; K9449 ; B9999 B4002 B3963 B3930 B3838  
B3747 ;  
B9999 B4080 B3930 B3838 B3747 ; B9999 B3792 B3747 ; B9999  
B3907  
B3838 B3747 ; B9999 B4182 B4091 B3838 B3747 ; B9999 B3872  
B3838  
B3747

Polymer Index [1.3]

018 ; 7A\*R ; H0157

Polymer Index [1.4]

018 ; R05085 D00 D09 C\* 4A ; A999 A237

Polymer Index [1.5]

018 ; R00122 D01 D11 D10 D50 D93 F36 F35 ; A999 A340\*R ;  
A999 A771

Polymer Index [1.6]

018 ; G3474 D01 D02 D50 ; S9999 S1376 ; A999 A340\*R ;  
A999 A771

Polymer Index [1.7]

018 ; D01 D12 D10 D19 D18 D23 D22 D33 D75 D76 D41 D54 D51  
D57 D59  
D93 F72 E04 E00 ; A999 A157\*R ; A999 A771

Polymer Index [1.8]

018 ; R01520 D00 F20 Zn 2B Tr O\* 6A ; A999 A157\*R ; A999  
A771

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C2000-098700